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Complete if Known Substitute for form 1449A/PTO 10/749,080 **Application Number INFORMATION DISCLOSURE** Filing Date December 30, 2003 STATEMENT BY APPLICANT First Named Inventor Cheng et al. TOD 2818 Art Unit (Use as many sheets as necessary) THE LONG TRAN Examiner Name 2 Sheet of Attorney Docket Number TSM03-0549

| U.S. PATENT DOCUMENTS |          |   |  |                             |   |  |
|-----------------------|----------|---|--|-----------------------------|---|--|
| Examiner              | Cite     | Document Number   | Publication Date<br>MM-DD-YYYY<br>03-25-2003 | Name of Patentee or         | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |
| initials*             | No.      | Number - Kind Cade <sup>2 (F known)</sup><br>US- 6,538,277 B2 |  | Applicant of Cited Document |   |  |
| W                     |          |   |  | Sung et al.                 |   |  |
| W                     |          | US- 6,566,706 B1  | 05-20-2003                                   | Wang et al.                 | }   |  |
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| FOREIGN PATENT DOCUMENTS |                |  |                                |  |   |                |  |
|--------------------------|----------------|--|--------------------------------|--|---|----------------|--|
| Examiner                 |                | Foreign Patent Document  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | Τ <sup>6</sup> |  |
| Initials*                | Cite<br>No.    | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> ) |                                |  |   |                |  |
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| Substitute for form 14498/PTQ |                  |                   |       | Complete if Known      |                   |  |
|-------------------------------|------------------|-------------------|-------|------------------------|-------------------|--|
|                               |                  |                   |       | Application Number     | 10/749,080        |  |
| INF                           | ORMATION         | DISCLOSE          | IRE   | Filing Date            | December 30, 2003 |  |
| STATEMENT BY APPLICANT        |                  |                   |       | First Named Inventor   | Cheng et al.      |  |
| 317                           | ALEMICIAL B      | T APPLICA         | 414 I | Art Unit               | TBD 2818          |  |
|                               | (Use as many she | ets as necessary) |       | Examiner Name          | TBO LONG TRAN     |  |
| Sheet                         | 2                | of                | 2     | Attorney Docket Number | TSM03-0549        |  |

|                    |             | NON PATENT LITERATURE DOCUMENTS   | _              |
|--------------------|-------------|---|----------------|
| Examiner Initials* | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| WT                 |             | ERTL, FRANK et al., "Vertical transistors with ultra-short channel lengths," Fundamental research in semiconductor electronics - Annual Report 2000, (2000) pp. 90-91.  |                |
| ver                |             | GÖHLER, LUTZ. et al., "A Compact Model for Depletion MOSFETs in Smart Power Applications Including Source and Drain Resistance, " (Date Unknown) 5 pages.   |                |
| Met                |             | MANNERS, DAVID, "Infineon Looks to NROM," Electronics Weekly, (May 28, 2001) http://www.reed-electronics.com/electronicnews.  |                |
| 44                 |             | SHEPARD, KENNETH, et al., "Static Noise Analysis for Digital Integrated Circuits in Partially-Depleted Silicon-<br>On-Insulator Technology," <i>Proceedings of the Design Automation Conference</i> , Los Angeles, California, (June 2000) 4 pages.             |                |
| W                  |             | STOCKINGER, MICHAEŁ, "2.3 Drain-Induced Barrier Lowering," (January 05, 2000) <a href="http://www.iue.tuwien.ac.at/phd/stockinger/node15.html">http://www.iue.tuwien.ac.at/phd/stockinger/node15.html</a> .   |                |
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